

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

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SECRETARY

JOHN AUERBACH
COMMISSIONER

05/31/2011

Kate Hinman
Assistant District Attorney, Suffolk County

Dear ADA Hinman,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan & Kate Corbett.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Kate Corbett was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)



BOOK #

63

PAGE #

170

DESTRUCTION #

A-1 / DCU

S/O Wm DWAN

ID#

10060

[illegible]

To be completed by ECU personnel only

Sub'd White

ID#

11064

90

Date _____

1-13-11

ECU Control #

No. [REDACTED] Date Analyzed: 02-10-11
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def: [REDACTED]

Amount: Subst: SUB

No. Cont: 2 Cont: pb

Date Rec'd: 01/13/2011

No. Analyzed: 1

Gross Wt.: 2.27

Net Weight: 0.31g

Tests: 510AC

2ASD

Prelim: Heroin

Findings: Heroin

DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY Boston ANALYST KAC
No. of samples tested: 1 Evidence Wt. OK

PHYSICAL DESCRIPTION:

2 similar pbs containing
tan powder

double bagged

Gross Wt (2): 0.8659g
Gross Wt (1): 0.4447g
Pkg. Wt: 0.1316g
Net Wt: 0.3131g

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate () +
Marquis +
Froehde's +
Mecke's +

Microcrystalline Tests

Gold Chloride
TLTA ()

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Heroin
DATE 2/7/11

GC/MS CONFIRMATORY TEST

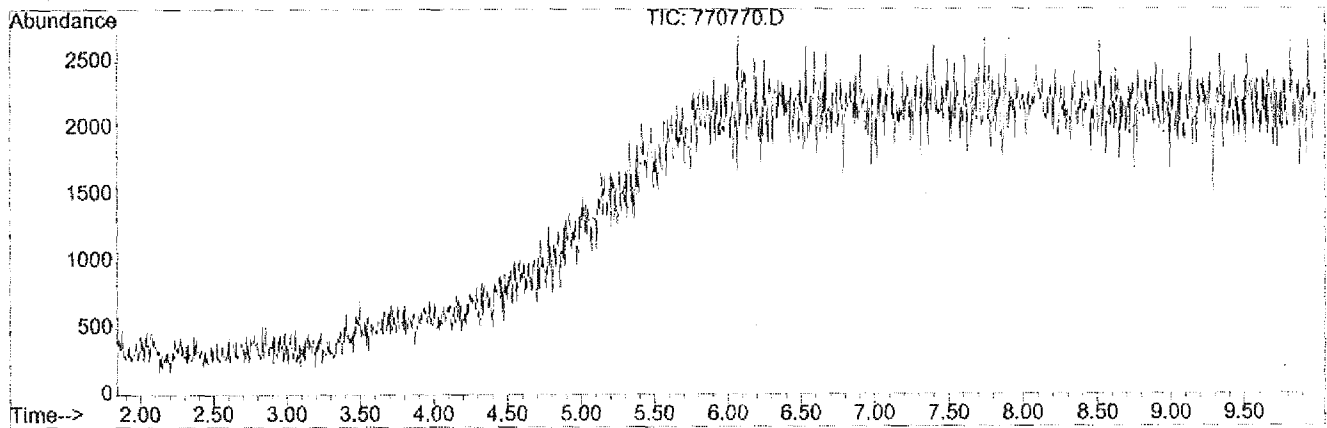
RESULTS Heroin
MS OPERATOR ASTD
DATE 2/10/11

Revised 7/2005

Area Percent / Library Search Report

Information from Data File:

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Operator : ASD
Date Acquired : 9 Feb 2011 22:06
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



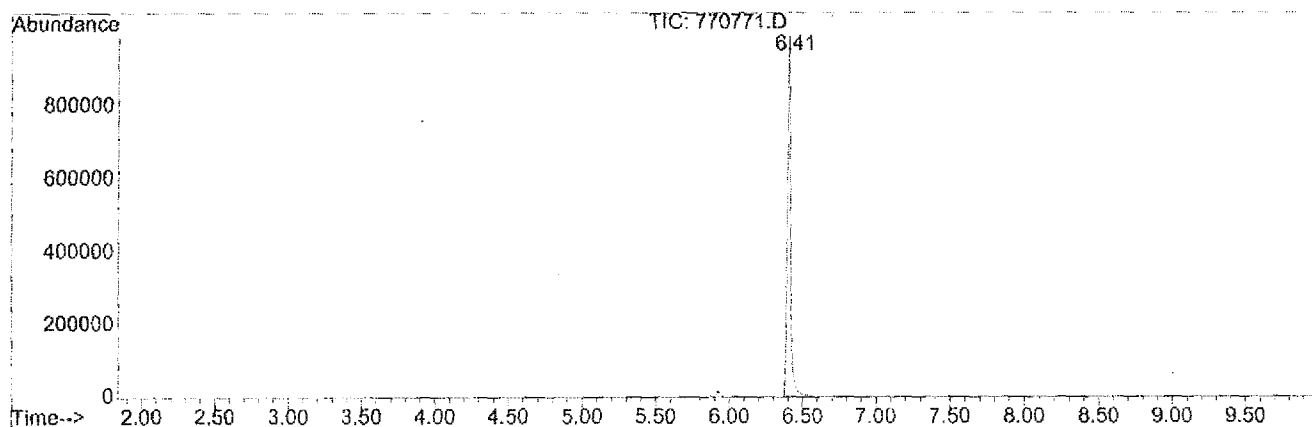
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_09_11\770771.D
 Operator : ASD
 Date Acquired : 9 Feb 2011 22:19
 Sample Name : HEROIN STD
 Submitted by :
 Vial Number : 71
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.407	1544855	100.00	100.00

Area Percent / Library Search Report

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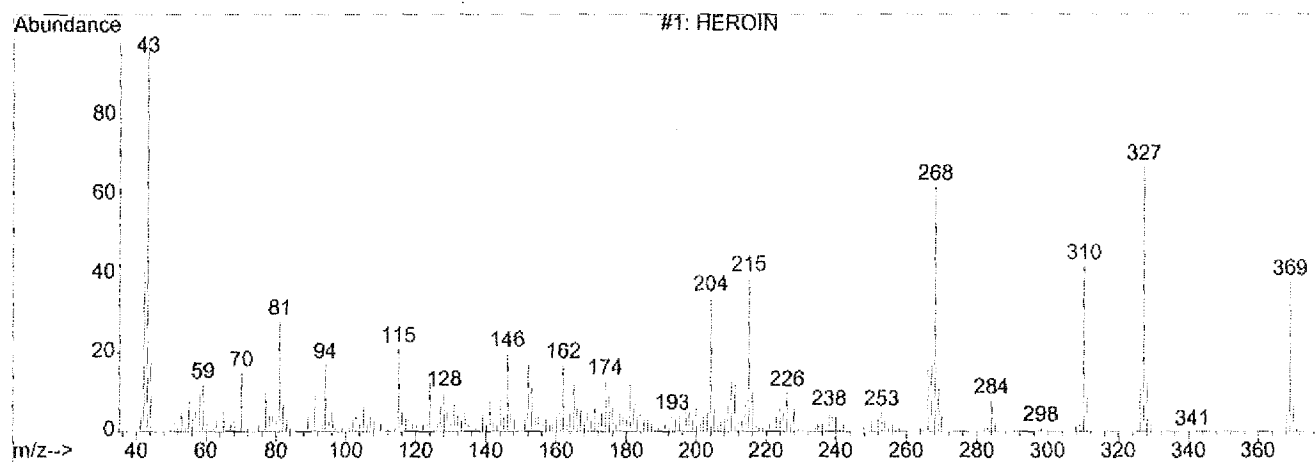
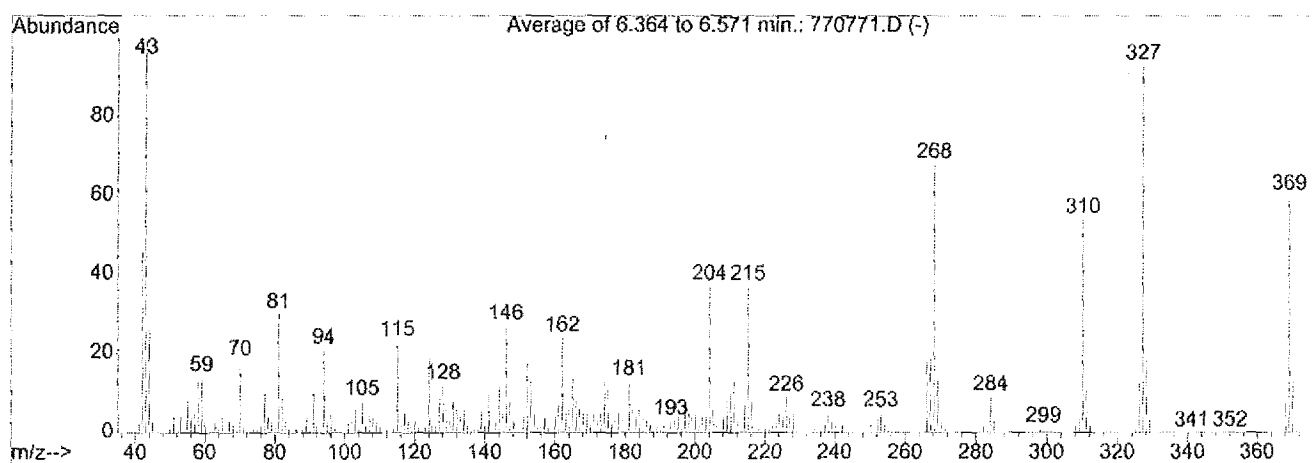
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File Name       : F:\Q1-2011\SYSTEM7\02_09_11\770771.D
Operator        : ASD
Date Acquired   : 9 Feb 2011 22:19
Sample Name     : HEROIN STD
Submitted by    :
Vial Number     : 71
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
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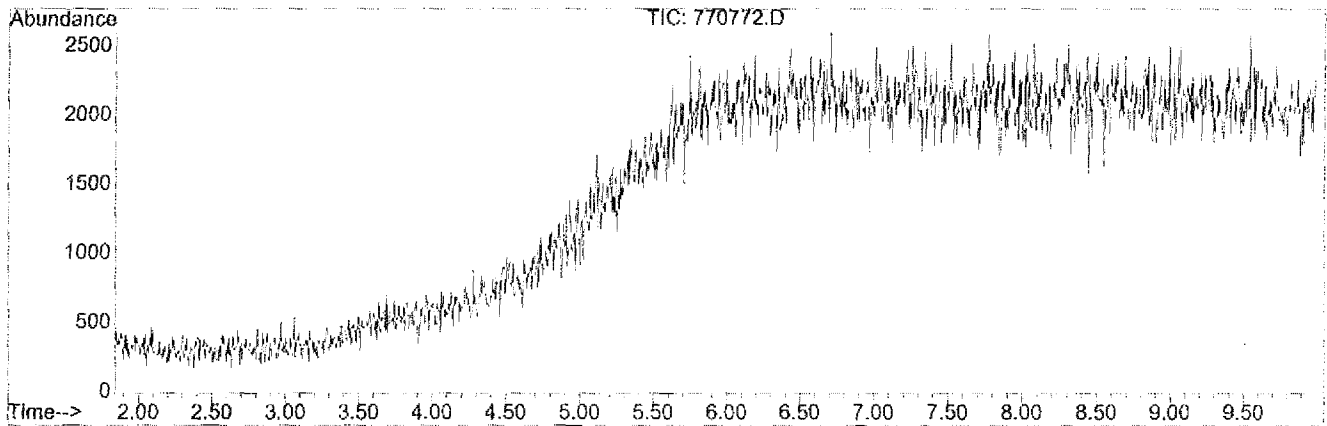
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Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_09_11\770772.D
Operator : ASD
Date Acquired : 9 Feb 2011 22:31
Sample Name : BLANK
Submitted by : KAC
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



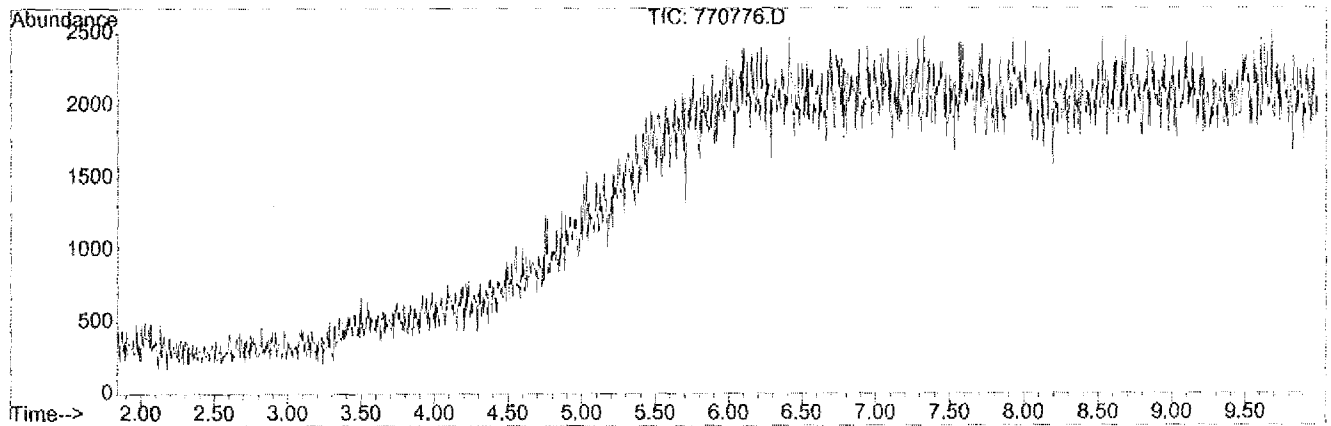
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_09_11\770776.D
Operator : ASD
Date Acquired : 9 Feb 2011 23:21
Sample Name : BLANK
Submitted by : KAC
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



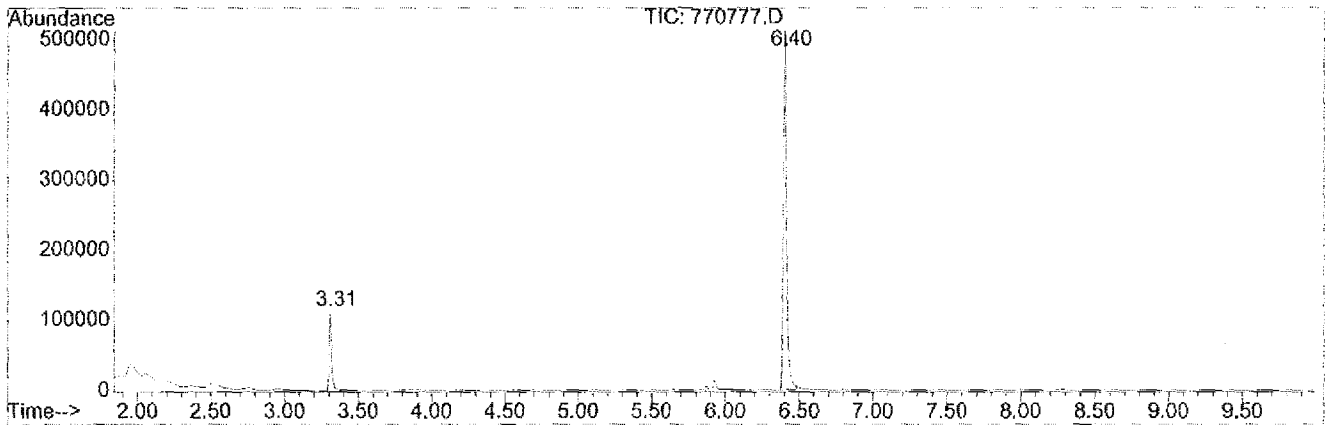
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_09_11\770777.D
Operator : ASD
Date Acquired : 9 Feb 2011 23:34
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 77
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.309	130920	14.59	17.08
6.401	766549	85.41	100.00

Area Percent / Library Search Report

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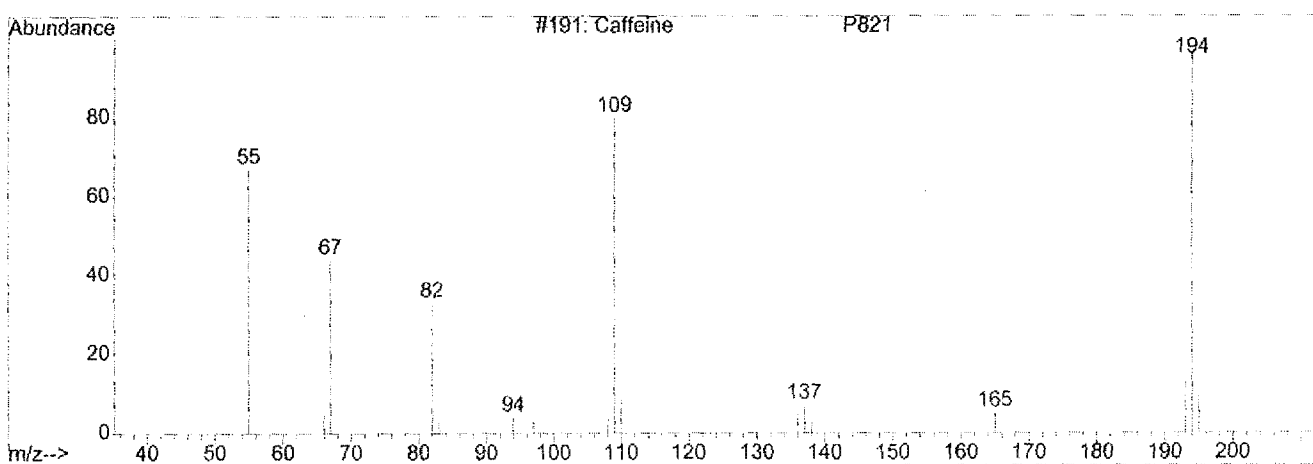
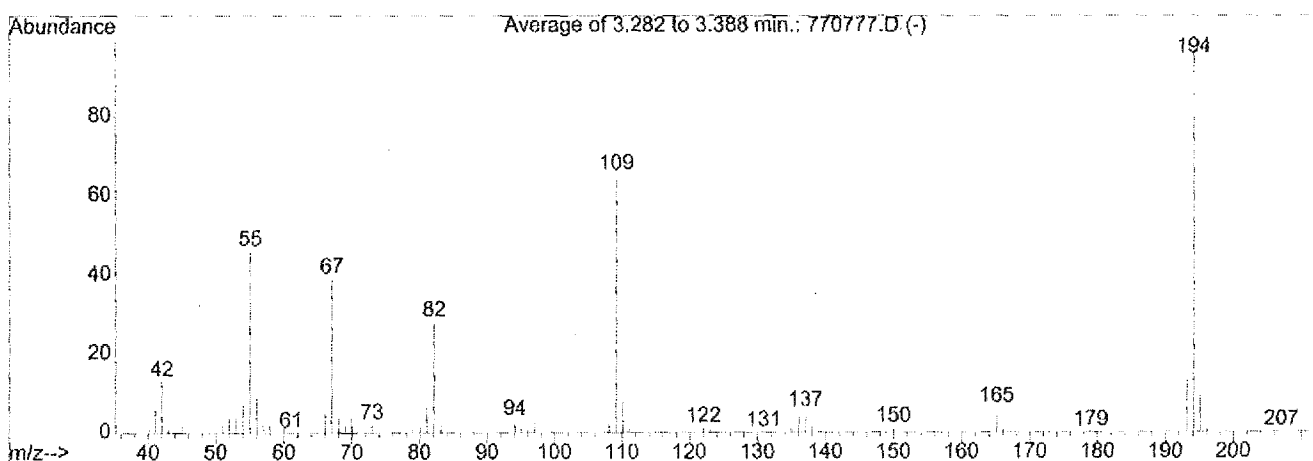
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File Name       : F:\Q1-2011\SYSTEM7\02_09_11\770777.D
Operator        : ASD
Date Acquired   : 9 Feb 2011 23:34
Sample Name     : ██████████
Submitted by    : KAC
Vial Number     : 77
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	3.31	C:\DATABASE\PMW_TOX2.L		
		Caffeine	000058-08-2	98
		Proxyphylline	000603-00-9	4
		Dimetacrine-M (ring)	006267-02-3	4



Area Percent / Library Search Report

Information from Data File:

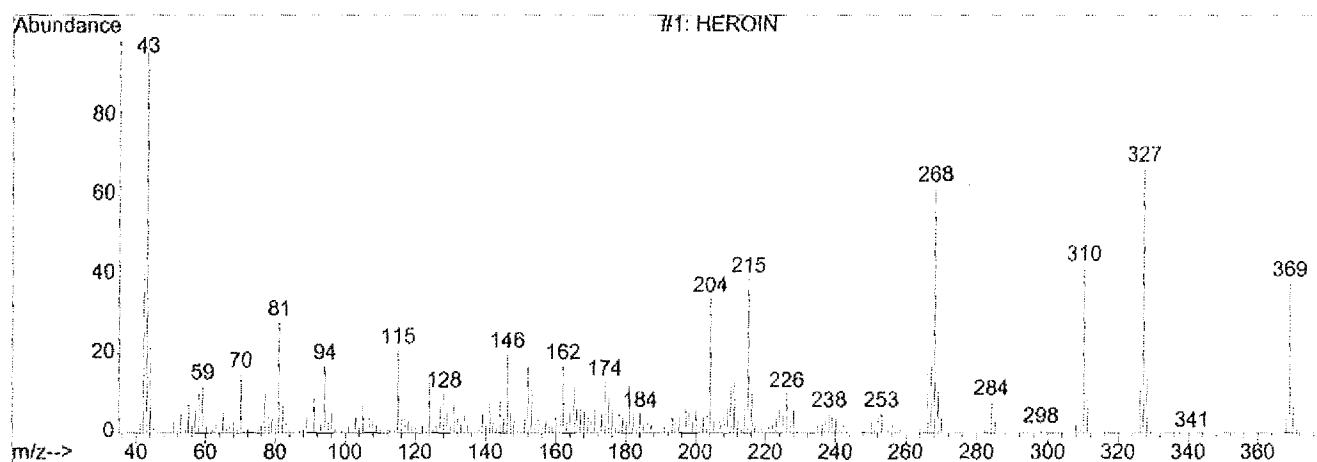
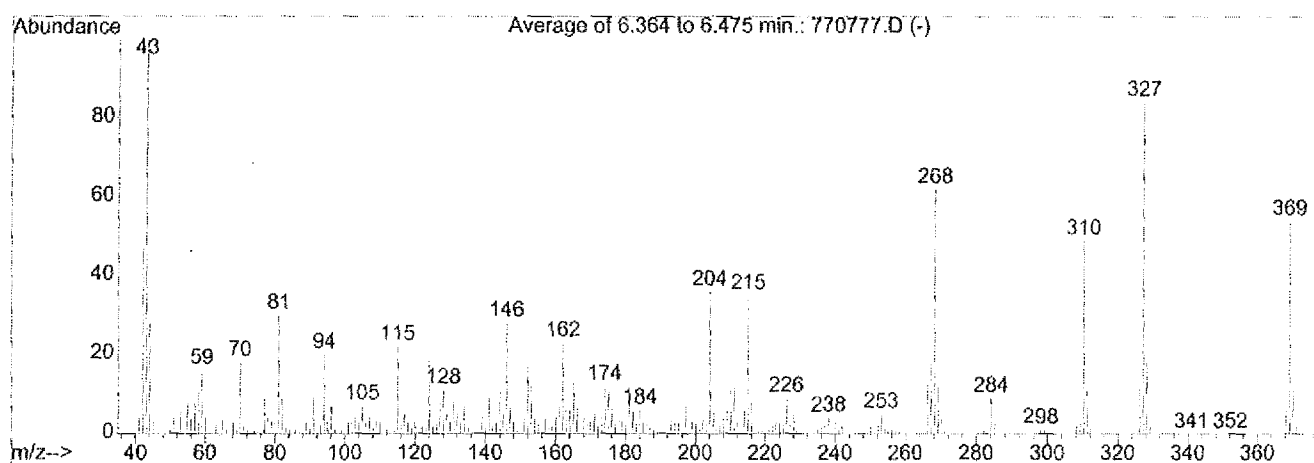
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File Name       : F:\Q1-2011\SYSTEM7\02_09_11\770777.D
Operator        : ASD
Date Acquired   : 9 Feb 2011 23:34
Sample Name     : ██████████
Submitted by    : KAC
Vial Number     : 77
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

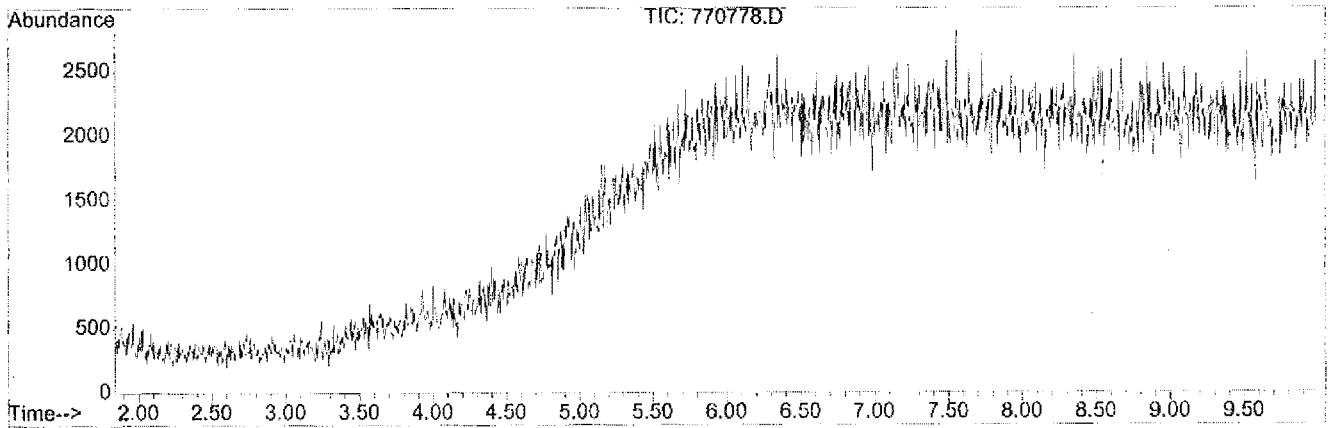
PK#	RT	Library/ID	CAS#	Qual
2	6.40	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_09_11\770778.D
Operator : ASD
Date Acquired : 9 Feb 2011 23:46
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



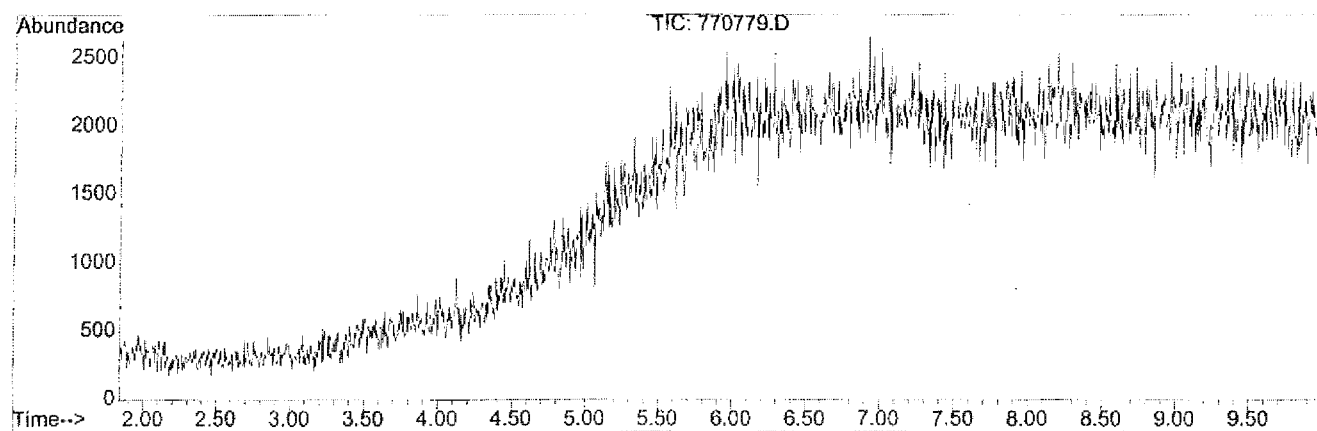
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_09_11\770779.D
Operator : ASD
Date Acquired : 9 Feb 2011 23:58
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



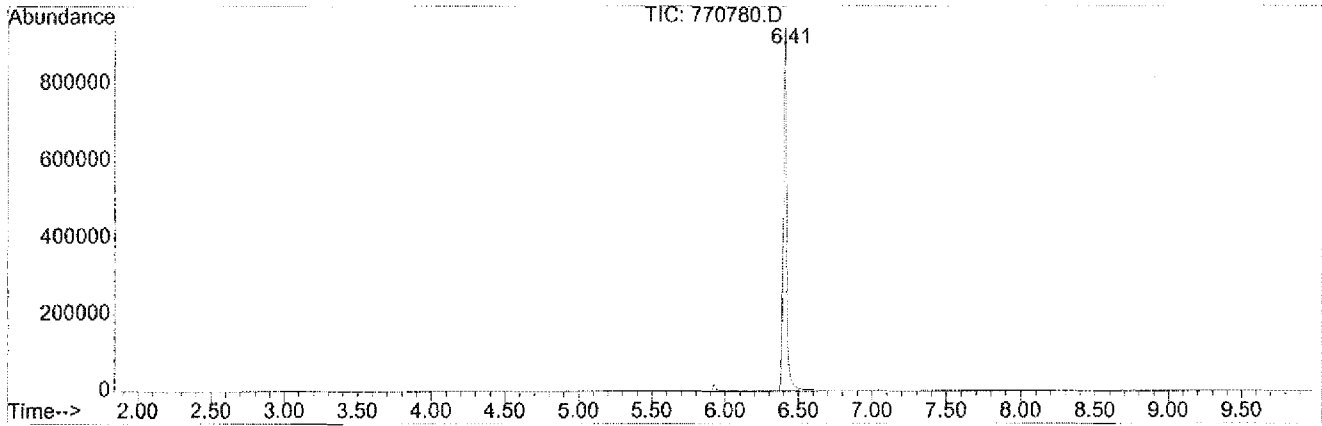
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_09_11\770780.D
Operator : ASD
Date Acquired : 10 Feb 2011 00:11
Sample Name : HEROIN STD
Submitted by :
Vial Number : 71
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.407	1473441	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

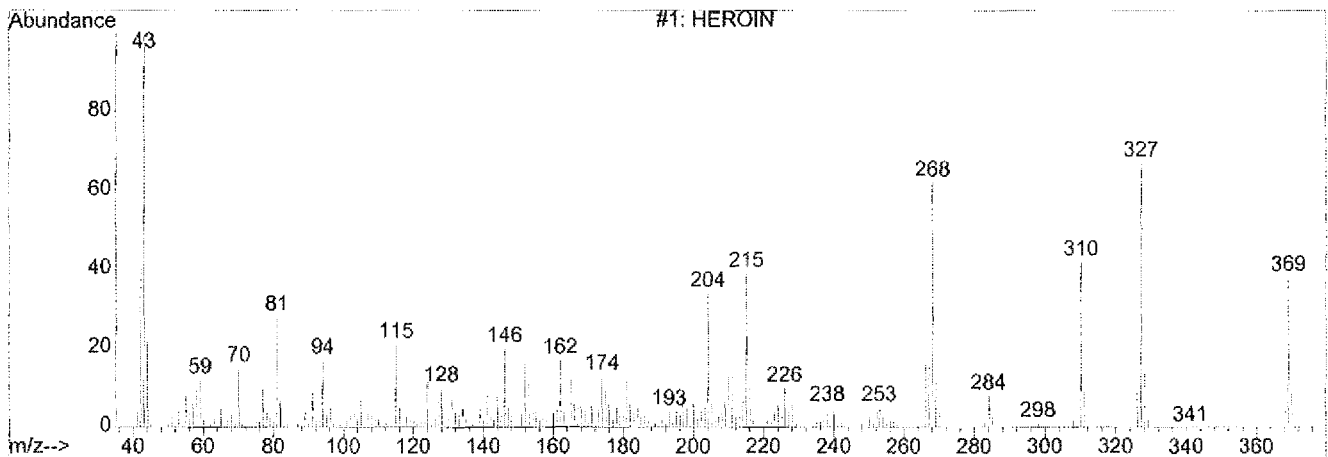
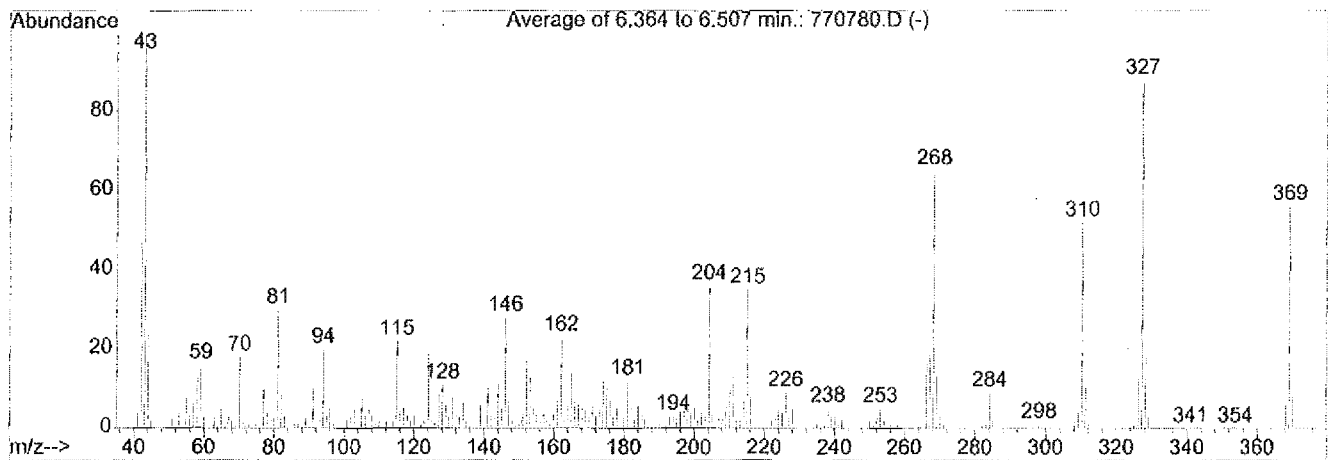
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File Name       : F:\Q1-2011\SYSTEM7\02_09_11\770780.D
Operator        : ASD
Date Acquired   : 10 Feb 2011  00:11
Sample Name     : HEROIN STD
Submitted by    :
Vial Number     : 71
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
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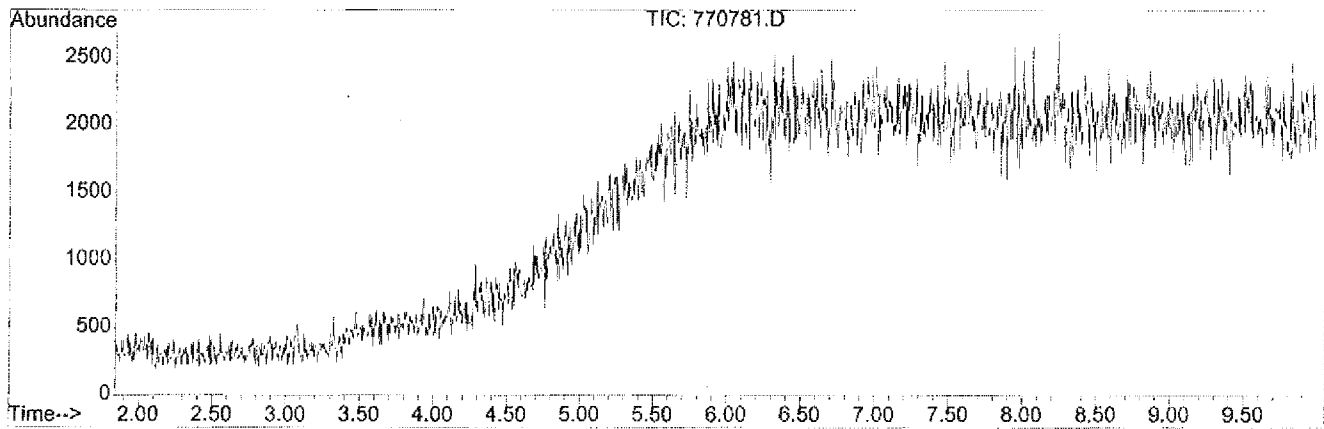
PK#	RT	Library/ID	CAS#	Qual
1	6.41	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_09_11\770781.D
Operator : ASD
Date Acquired : 10 Feb 2011 00:23
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS